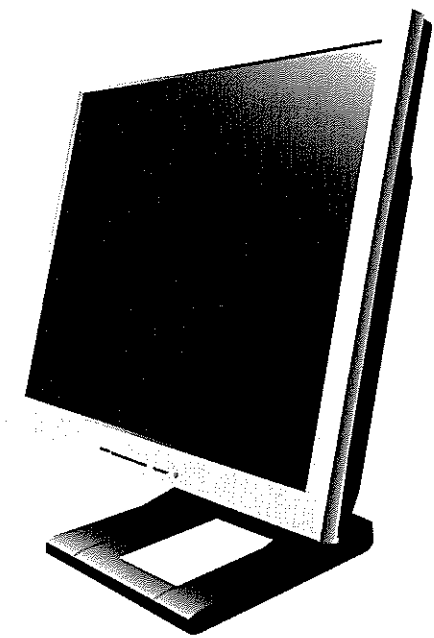
USER MANUAL

17" TFT LCD MONITOR



CONTENT

1. SPECIFICATIONS
2. PLUG AND PLAY
3. INSTALLATION
4. USER INTERFACE CONTROL
5. DISPLAY POWER MANAGEMENT
6. TROUBLE SHOOTING
7. TECHNICAL INFORMATION

1.SPECIFICATIONS

1-1. LCD PANEL(BASE ON PANEL)

1. DISPLAY AREA: 338(H)x270(V)mm
2. NUMBER OF PIXELS: 1280x1024
3. PIXEL PITCH: 0.264(H)x0.264(V)mm
4. CONTRAST RATIO: 500:1(Typical, Perpendicular)
5. VIEWING ANGLE(More than the contrast ratio of 10:1)
   HORIZONTAL : 160°(Typical)
   VERTICAL: 160°(Typical)
6. RESPONSE TIME: 8 mS(Typical)
7. LUMINANCE: 420 cd/m2(Typical)

1-2. VIDEO AND SYNCHRONIZATION SIGNALS

1. SIGNAL CABLE: 15-Pin D-Shell Connector
2. VIDEO: Analog Levels
3. HORIZONTAL SYNC: TTL Positive/Negative
4. VERTICAL SYNC: TTL Positive/Negative
5. PIXEL FREQUENCY: 135MHz(Max.)
6. DISPLAY COLORS: Limited by VGA Card
7. VIDEO SIGNAL INPUT: 0.7VPP

1-3. DISPLAY DATA CHANNEL

COMPATIBILITY: VESA DDC 1/2B

1-4. SCANNING FREQUENCY

1. HORIZONTAL: 30 - 82 KHz .
2. VERTICAL: 50 - 75Hz .

1-5. POWER SUPPLY

AC INPUT: 100~240 VAC, 60/50Hz, 1.0A

1-6. ENVIRONMENT

1. OPERATING TEMPERATURE: 0℃ ~ 40℃
2. OPERATING HUMIDITY: 10% ~ 90%
3. STORAGE TEMPERATURE: -20℃ ~ 60℃

2.PLUG AND PLAY

2.1 DDC FUNCTION

The Display Data Channel DDC will allow the display to inform the host system about its identity and depending on the level of DDC used, communicate additional levels of display capability

DDC 1: One uni-directional data channel.

DDC 2: One bi-directional data channel.

This LCD monitor can support display type DDC1/2B

3.INSTALLATION

3-1.CABLE CONNECTION

a. Connect the VGA cable to the back of LCD Monitor.

b. Plug the power cord into the wall outlet, and the other end of the power cable into the Adapter AC socket then plug the other end of Adapter to the Power Input of the back of LCD Monitor.

c. Connect the Audio cable to the back of LCD Monitor.

3-2. WALL MOUNT FUNCTION

If you want to use this function, please prepare the Wall Mount Kit by yourself

a. Please be careful to lie down the LCD Monitor

b. Open the Hinge Cover and screw off the Hinge

c. Assemble one metal kit to the Real Cover

d. Hang the LCD Monitor on the wall

3-3. POWER ON

Turn on the Power Switch of both your LCD Monitor and your computer.

4.USER INTERFACE CONTROL

4-1. OSD Control Key

Power Key : Power ON/OFF

Menu Key : Enter the main menu of the on-screen display

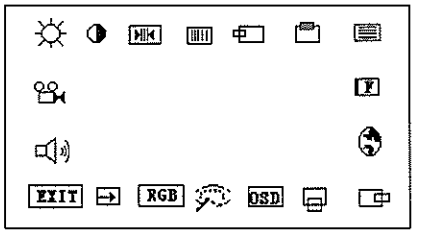
DEC "-" Key : Decrease the value of the chose item

INC "+" Key : Increase the value of the chose item

Auto Key : Automatically adjusts H-Position, V-Position, Pixel Clock and Phase for an optimal image

4-2. OSD Control Function List

○ Input for PC



Press "+" or "-" to locate the item you desire to change, then press "Menu" to make the adjustment, then press "Menu" again to go back main menu.

Brightness : Press "+" or "-" to adjust the brightness.

Contrast : Press "+" or "-" to adjusts the difference between the light and dark areas.

Clock : Adjusts the video distortion. It will appear horizontal noise on the screen while adjust the Clock.

Phase : Adjusts the video distortion. It will appear vertical noise on the screen while adjust the Phase.

Horizontal Position: Moves the display picture left or right

Vertical Position : Moves the display picture up or down

Sharpness : Adjust the sharpness(available in scaling-up mode)

Text Mode : Zoom ratio change between VGA and Text mode Press "Menu" to executing

OSD Language: Change the OSD language, and press "Menu" to executing

OSD H-Position : Adjusts the OSD position. Press "+" to right, press "-" to left

OSD V-Position : Adjusts the OSD position. Press "+" to up, press "-" to down

OSD Transparence : Adjust the OSD transparency

Switch Color : Adjusts color temperature. Press "+" or "-" to select a color mode

Set Color USER : Adjust color temperature for User mode

Reset : Restore the default value(factory mode). Press "Menu" to executing

EXIT Exit : Exit the OSD menu and save the values. Press "Menu" to executing

Volume: Press "+" or "-" to adjust the volume setting

Input Source : Press "+" or "-" to select input source, and press "Menu" to executing

Input for PC

Press "+" or "-" to locate the item you desire to change, then press "Menu" to make the adjustment, then press "Menu" again to go back main menu.

1. Brightness : Press "+" or "-" to adjust the brightness.
2. Contrast : Press "+" or "-" to adjust the difference between the light and dark areas.
3. Sharpness : Press "+" or "-" to adjust the sharpness.
4. Color : Press "+" or "-" to adjust between colorful and colorless.
5. Tint : Press "+" or "-" to adjust color varying.
6. Volume : Press "+" or "-" to adjust the volume.
7. Input Source : Press "+" or "-" to change the input source.
8. Memory Recall : Restore the default value(factory mode). Press "Menu" to executing
9. Exit :Exit the OSD menu. Press "Menu" to executing.

5.POWER MANAGEMENT

This monitor meets the power management standards as set by the Video Electronics Standards Association (VESA) and/or the United States Environmental Protection Agency (EPA) .
This feature is designed to conserve electrical energy by reducing power consumption.
This function is activated by an operating system or Windows utility program which turns off thes monitor display and also turns off or changes the color of the monitor's power LED.

Mode	Power					
	H-SYNC	V-SYNC	Video	Audio	Indicator	Consumption
Normal	Yes	Yes	Activated	Yes	Green	<30W
Stand-by	No	Yes	Blanked	No	Orange	<3W
Suspend	Yes	No	Blanked	No	Red	<3W
Off	No	No	Blanked	No	Red	<3W
Out of Range	Yes	Yes	Blanked	No	Red	<3W

Notice : Out of range means H-Sync.>60KHz,H-Sync.<29KHz, V-Sync.>70Hz or V-Sync.<50Hz

6.TROUBLE SHOOTING

6-1. Problem : No picture appears on the screen

* If power LED is off: check if power cable is securely connected

* If power LED is RED in color: check if video cable is securely connected. Also check if your computer is switched on.
* If power LED is GREEN in color: check if H SYNC frequency is out of range. Adjust the brightness and contrast control.

7.TECHNICAL INFORMATION

7-1. Precautions

* Only a qualified service technician should open the monitor case. Components inside of the monitor can cause serious electric shock. Do not attempt to remove the back cover of the monitor by yourself. Contact your monitor dealer or authorized service personnel if your monitor needs to be repaired.
* To prevent fire or shock hazard, do not expose this monitor to rain or moisture.

7-2. Weight

* Approx. 4kgs(net)

7-3. VIDEO PIN ASSIGNMENTS

Pin No.	Signal	Pin No.	Signal	Pin No.	Signal
1	Red	6	Red Return	11	NC
2	Green	7	Green Return	12	SDA
3	Blue	8	Blue Return	13	H-Sync.
4	NC	9	NC	14	V-Sync.
5	GND	10	GND	15	SCL

7-4.AUDIO SPECIFICATION

Output : 2W(x2) RMS
Controls : Volume
Response : 30Hz~20KHz

※ CLASS B RADIO FREQUENCY

Interference Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation, if this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on the user is encouraged to try to correct the interference by one or more of the following measures:

○ **Reorient or relocate the receiving antenna**

Increase the separation between the equipment and receiver

○ **Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.**

○ **Consult the dealer or an experienced radio/TV technician for help.**

※ **Notice**

Any change or modification not expressly approved by the party responsible for compliance could

void the user's authority to operate the equipment.

DOC COMPLIANCE

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Radio interference Regulations of the Canadian Department of Communications.